

### Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the above-captioned application.

#### Listing of Claims:

1. (currently amended) A portable measuring instrument, particularly for use in sport involving at least one rotating wheel, comprising:
  - a first sensor mounted for measuring at least a rotation parameter of at least one rotating wheel;
  - a primary transmitter for transmitting a measuring signal from the first sensor;
  - a housing provided with attachment means for removably fixing the housing at a location remote from the first sensor; the housing comprising:
  - a primary receiver; and
  - a secondary transmitter; and
  - a display means coupled to the body of a user, wherein the display means comprises:
    - \_\_\_\_\_ a secondary receiver adapted to receive signals from the secondary transmitter;
    - \_\_\_\_\_ a processor unit; and
    - \_\_\_\_\_ a display device for displaying data corresponding to the measurement of the first sensor.
- a housing comprising:
  - a sensor;

a processing unit;\_\_\_\_\_

~~wherein the housing is adapted to transmit signals coming from the sensor to the housing intended to be worn by a user, and wherein the housing functions as a relay by receiving signals coming from a remote detector intended to be worn by a user and retransmitting these signals to the housing.~~

2. (previously presented): The instrument of claim 1, wherein the housing comprises an accelerometer.
3. (previously presented): The instrument of claim 2, wherein the housing further comprises a processing means connected to the accelerometer, and wherein the processing means is adapted to form a pedometer.
4. (previously presented): The instrument of claim 1, wherein the housing comprises a display screen.
5. (currently amended) The instrument of claim 3, wherein the housing is adapted to display data associated with the pedometer directly on ~~the display~~ a display screen or transmit the data to a remote display.
6. (previously presented): The instrument of claim 1, wherein the processing unit is able to provide a secondary signal encoding a measurement signal and a secondary identification code.
7. (previously presented): The instrument of claim 1, further comprising a remote display comprising:

a display screen; and  
a secondary receiver.

8. (previously presented): The instrument of claim 7, wherein the display comprises a secondary processing stage able to identify a secondary signal according to a secondary identification code inserted in a frame of the secondary signal.
9. (previously presented): The instrument of claim 1, further comprising a remote detector comprising:  
a sensor; and  
a primary transmitter.
10. (previously presented): The instrument of claim 9, wherein the detector comprises a processing stage able to provide a primary signal encoding a measurement signal of the sensor and a primary identification code.
11. (previously presented): The instrument of claim 1, wherein the housing comprises detachable fixing components.
12. (previously presented): The instrument of claim 7, wherein the display is provided with means of fixing directly on the user or on a part of the user's equipment, such as the frame of a cycle.
13. (previously presented): The instrument of claim 5, wherein the processing unit is able to provide a secondary signal encoding a measurement signal and a secondary identification code.

14. (previously presented): The instrument of claim 7, further comprising a remote detector comprising:
  - a sensor; and
  - a primary transmitter.
15. (previously presented): The instrument of claim 14, wherein the detector comprises a processing stage able to provide a primary signal encoding a measurement signal of the sensor and a primary identification code.
16. (previously presented): The instrument of claim 8, wherein the display is provided with means of fixing directly on the user and on a part of the user's equipment, such as the frame of a cycle.
17. (new): The instrument of claim 1, wherein the house further comprises:
  - a sensor; and
  - a processing unit.
18. (new): A portable measuring instrument, particularly for use in sport involving at least one rotating wheel, comprising:
  - a first sensor mounted for measuring at least a rotation parameter of at least one rotating wheel;
  - a primary transmitter for transmitting a measuring signal from the first sensor;
  - a housing configured to be removably attached to a location remote from the first sensor; the housing comprising:
    - a primary receiver; and
    - a secondary transmitter; and
  - a display coupled to the body of a user, wherein the display comprises:

a secondary receiver adapted to receive signals from the secondary transmitter;  
a processor unit; and  
a display device for displaying data corresponding to the measurement of the first sensor.